

# Method and Apparatus For Initializing a New Node in a Network

## Abstract of Disclosure

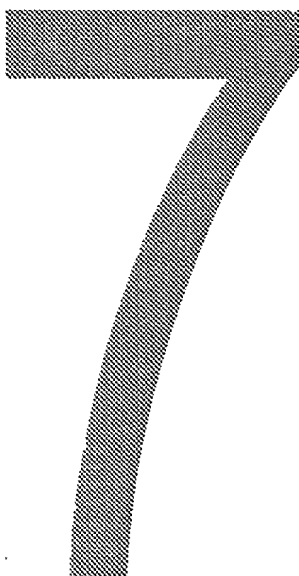
Large payload files are selectively partitioned in blocks and the blocks distributed to a plurality of distribution stations at the edge of the network qualified to have the data. Each qualified station decides how much and what portion of the content to save locally, based on information such as network location and environment, usage, popularity, and other distribution criteria defined by the content provider. Different pieces of a large payload file may be available from different nodes, however, when a user requests access to the large payload file, for example, through an application server, a virtual file control system creates an illusion that the entire file is present at the connected node. However, since only selective portions of the large payload file may actually be resident at that node's storage at the time of request, a cluster of distribution servers at the distribution station may download the non-resident portions of the file as the application server is servicing the user. The download may be in parallel and usually from the least congested nodes. New nodes added to the network learn from other nodes in the network what content they should have and download the required content, in a desired amount, onto their local storage devices from the nearest and least congested nodes without interrupting network operation. Each node manages its local storage and decides what content to prune based on information such as usage patterns.

Variable	Mean	SD	Min	Max
Age	34.2	10.5	20	55
Gender	Male	100%		
Marital status	Married	100%		
Education	High school	100%		
Occupation	Farmer	100%		
Income	1000 TL	100%		
Health status	Good	100%		
Smoking status	Non-smoker	100%		
Alcohol consumption	No	100%		
Family size	3	1.5	2	5
Household size	4	1.5	2	6
Land size	1000 m <sup>2</sup>	200	500	1500
Water source	Well	100%		
Water quality	Good	100%		
Water usage	100 L/day	20	50	150
Water treatment	No	100%		
Water storage	Yes	100%		
Water storage capacity	1000 L	200	500	1500
Water storage material	Plastic	100%		
Water storage location	Indoor	100%		
Water storage duration	1 day	100%		
Water storage purpose	Drinking	100%		
Water storage safety	Yes	100%		
Water storage maintenance	Yes	100%		
Water storage inspection	Yes	100%		
Water storage cleaning	Yes	100%		
Water storage replacement	Yes	100%		
Water storage disposal	Yes	100%		
Water storage recycling	Yes	100%		
Water storage reuse	Yes	100%		
Water storage sharing	Yes	100%		
Water storage distribution	Yes	100%		
Water storage collection	Yes	100%		
Water storage management	Yes	100%		
Water storage planning	Yes	100%		
Water storage implementation	Yes	100%		
Water storage evaluation	Yes	100%		
Water storage improvement	Yes	100%		
Water storage innovation	Yes	100%		
Water storage research	Yes	100%		
Water storage development	Yes	100%		
Water storage expansion	Yes	100%		
Water storage contraction	Yes	100%		
Water storage transformation	Yes	100%		
Water storage transmutation	Yes	100%		
Water storage transfiguration	Yes	100%		
Water storage translocation	Yes	100%		
Water storage transference	Yes	100%		
Water storage transmigration	Yes	100%		
Water storage translocation	Yes	100%		
Water storage transference	Yes	100%		
Water storage transmigration	Yes	100%		
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Water storage translocation	Yes	100%		
Water storage transference	Yes	100%		
Water storage transmigration	Yes	100%		

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DOCUMENT CLASSIFICATION BARCODE SHEET



# Drawings



Level - 2  
Version 1.1

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T08T50 Y29T060

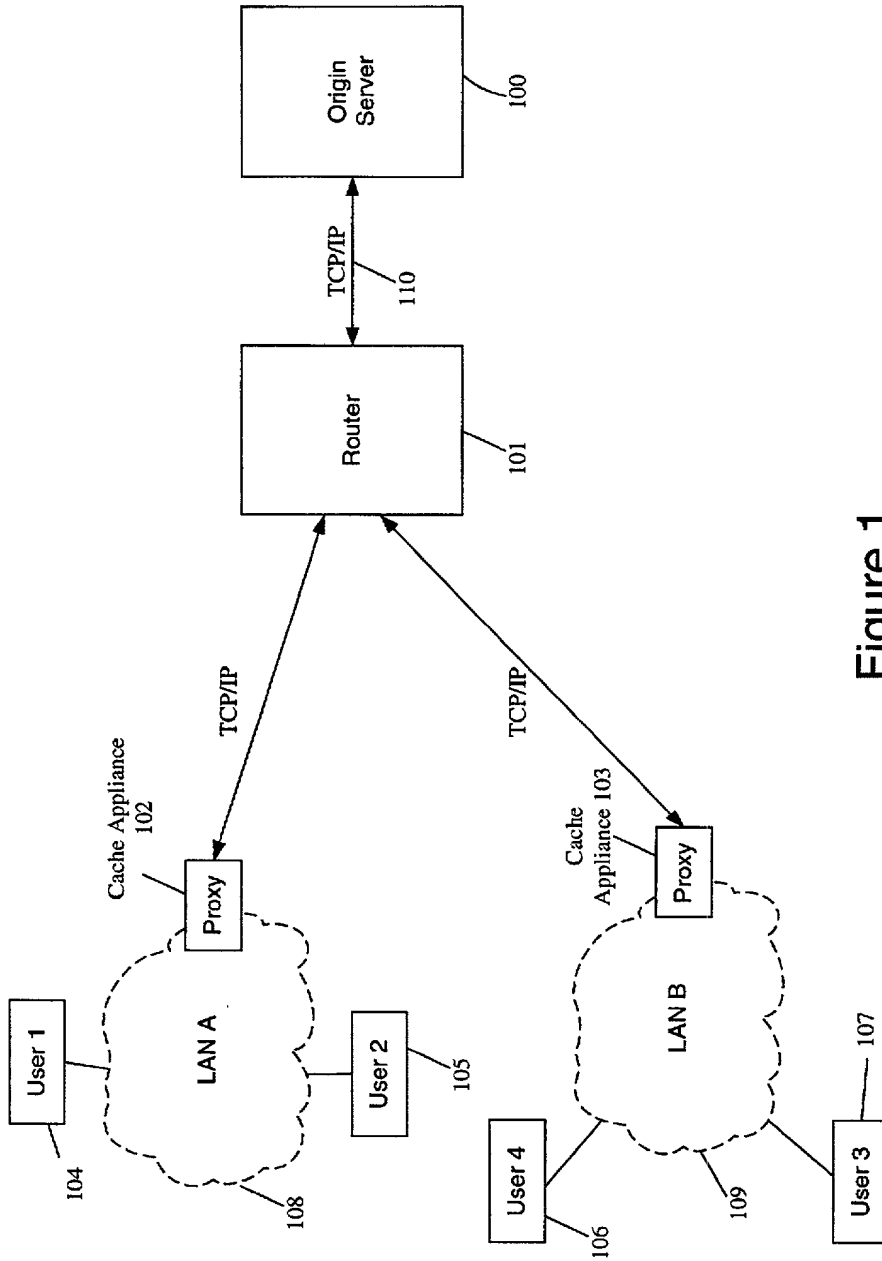


Figure 1

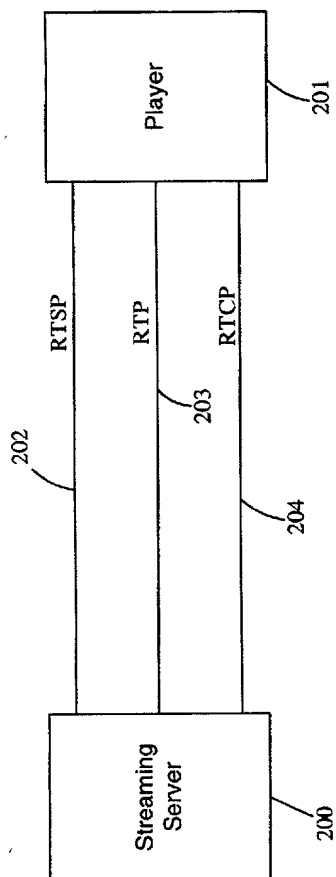


Figure 2

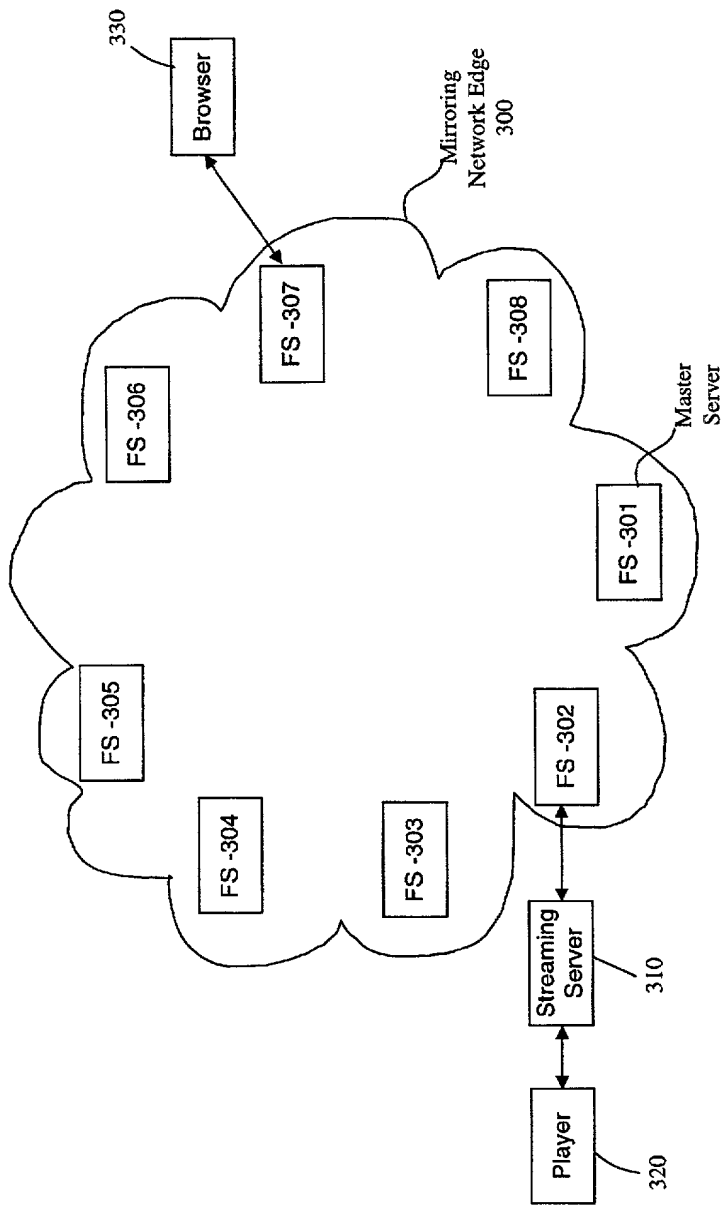


Figure 3

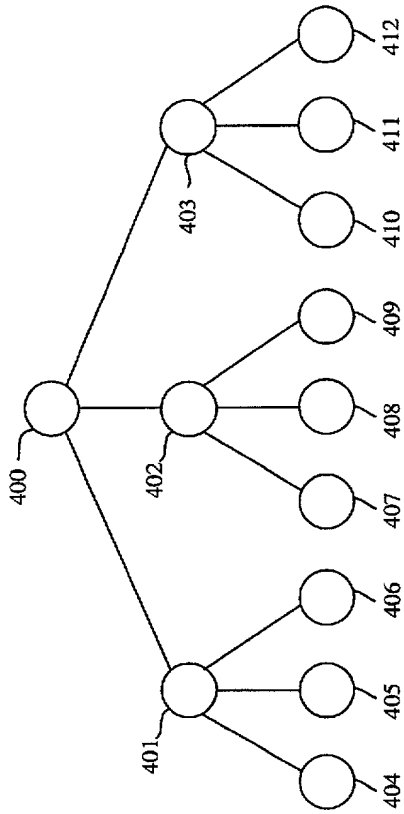


Figure 4

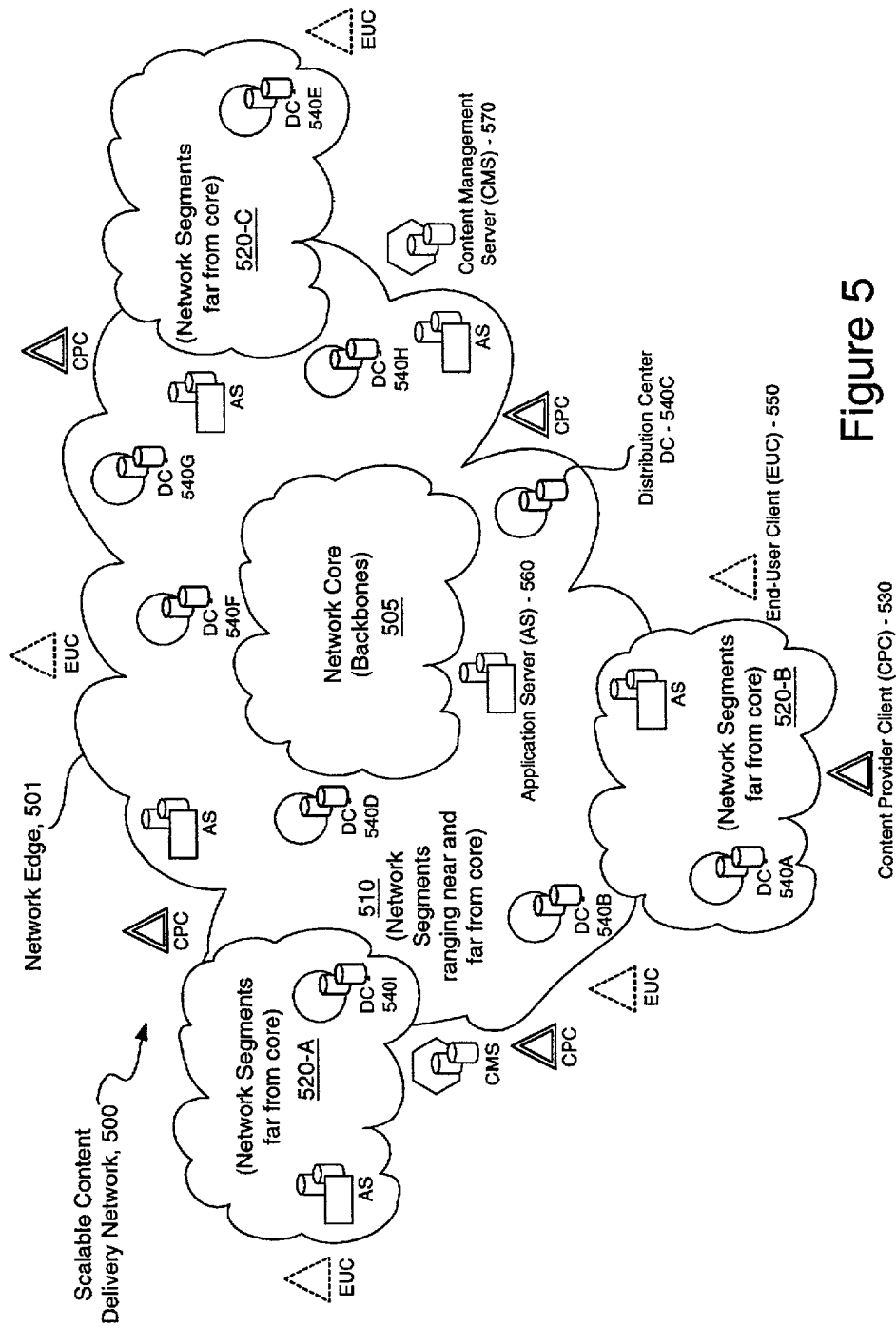


Figure 5



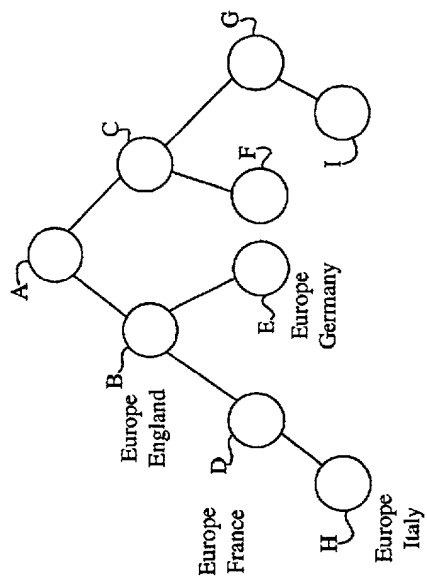


Figure 6

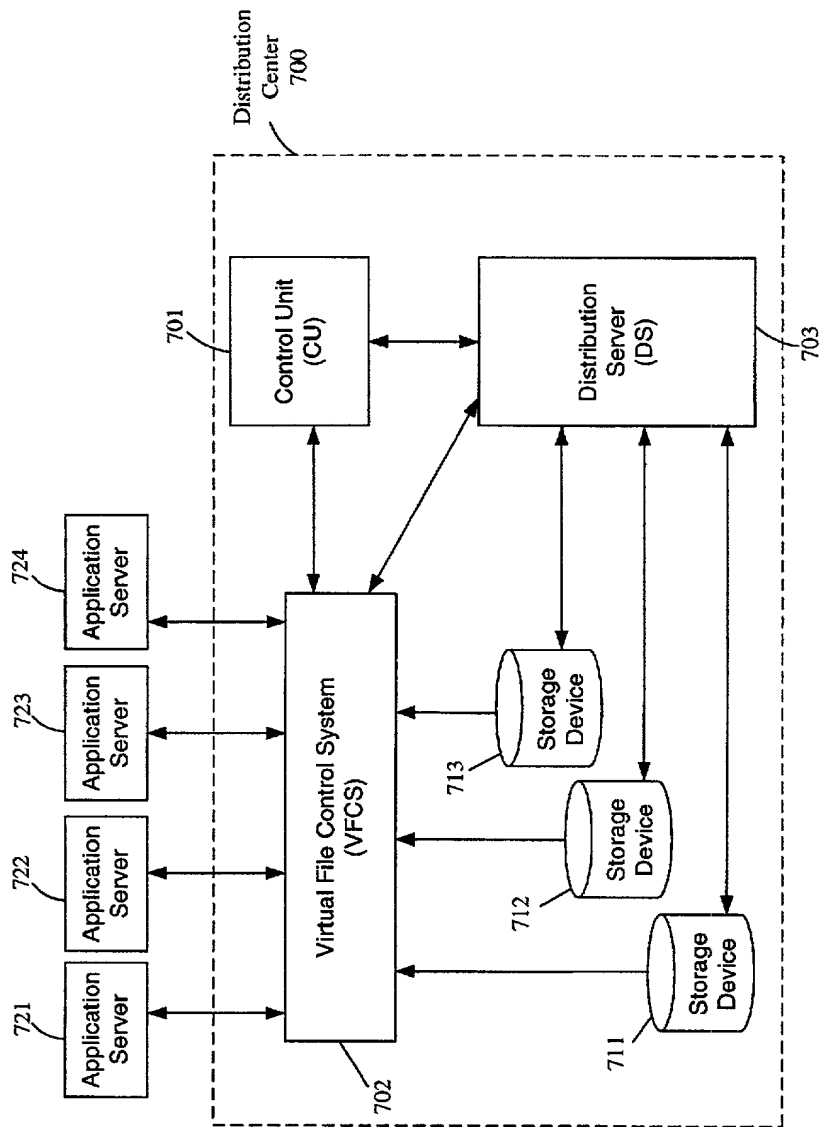


Figure 7

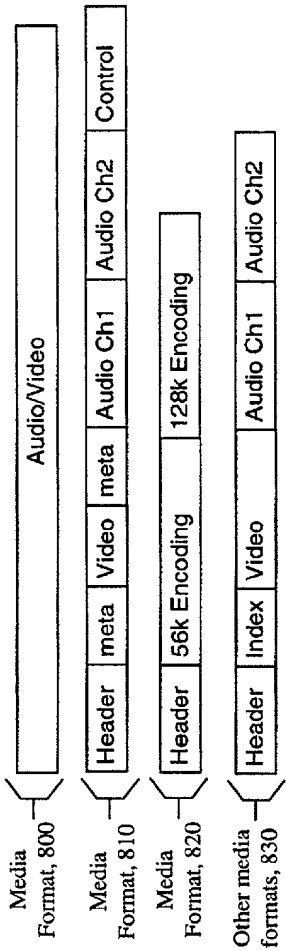


Figure 8

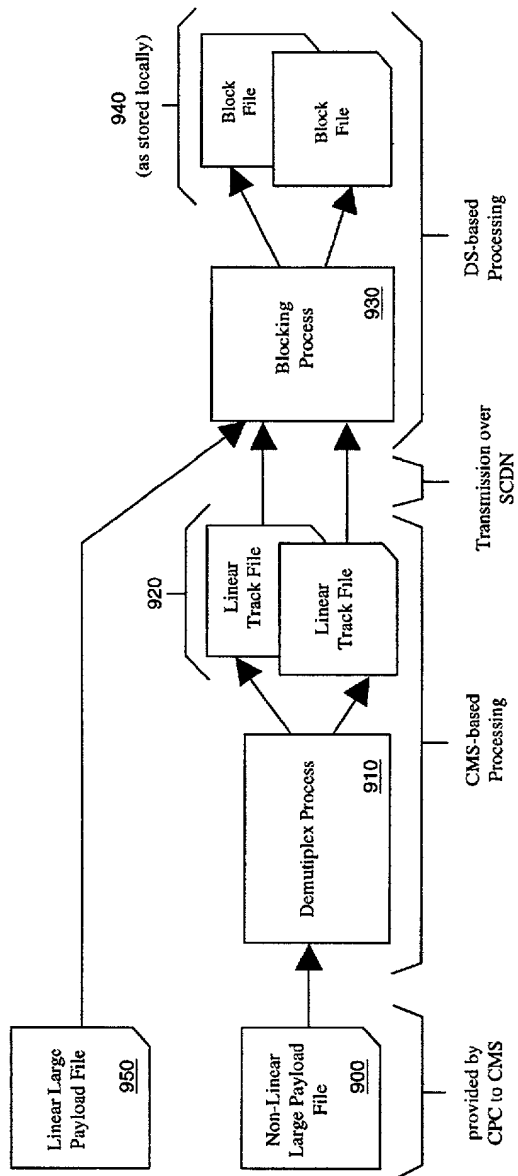


Figure 9

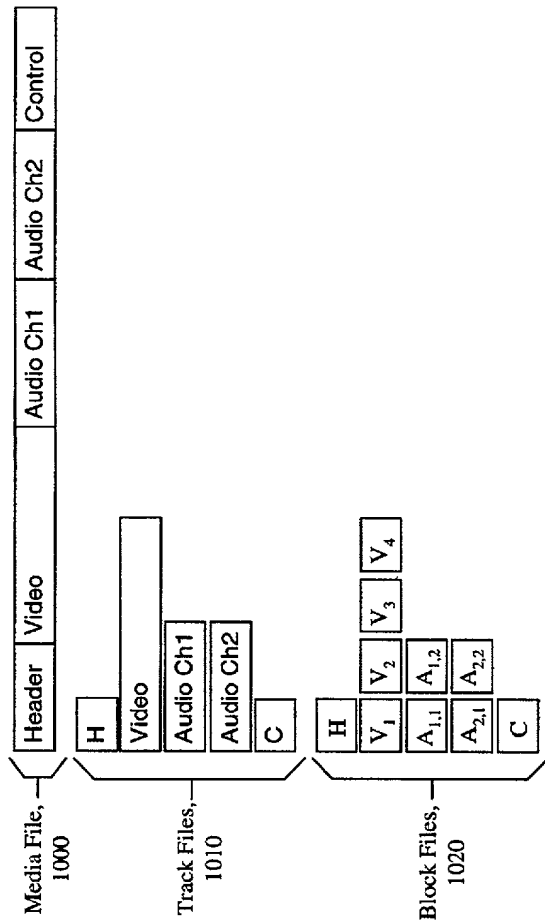


Figure 10

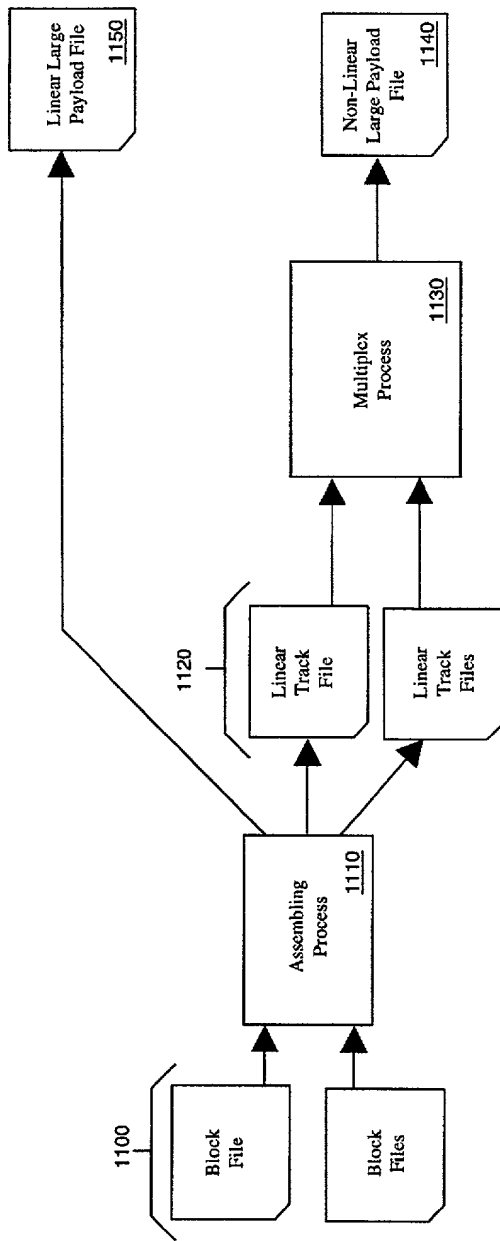


Figure 11

Bit Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Attribute B	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
Attribute D	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
Attribute E	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
Attribute H	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Rolled Up Attribute D	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Rolled Up Attribute B	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1

Figure 12

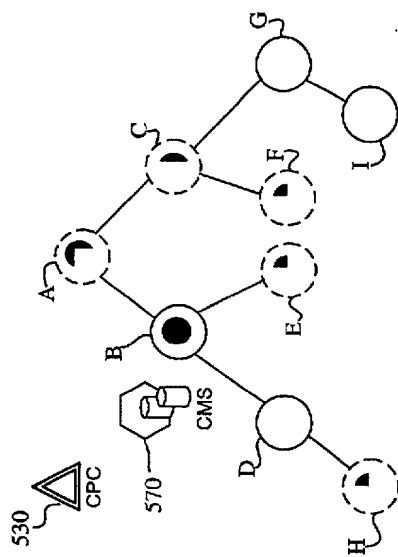


Figure 13



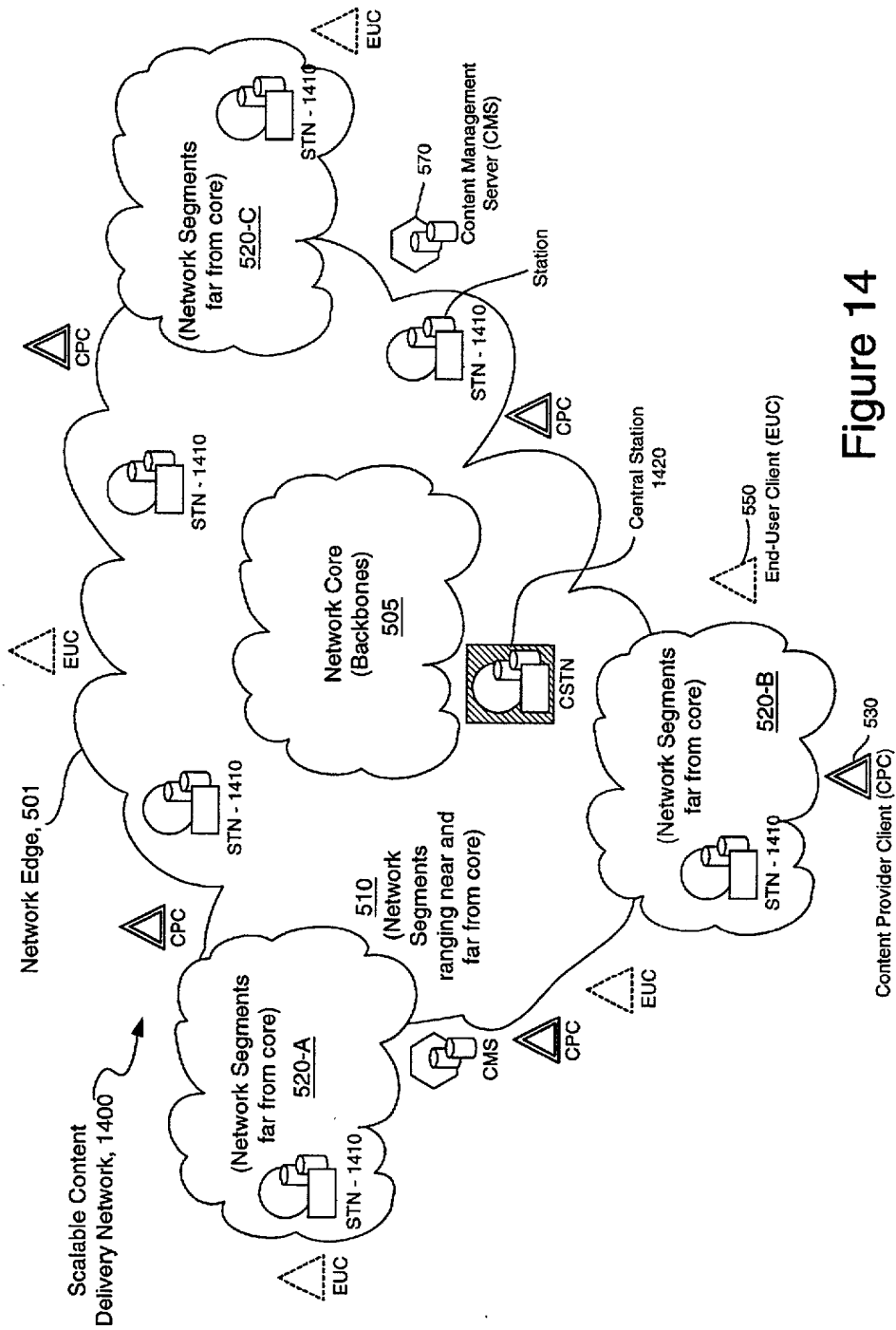


Figure 14

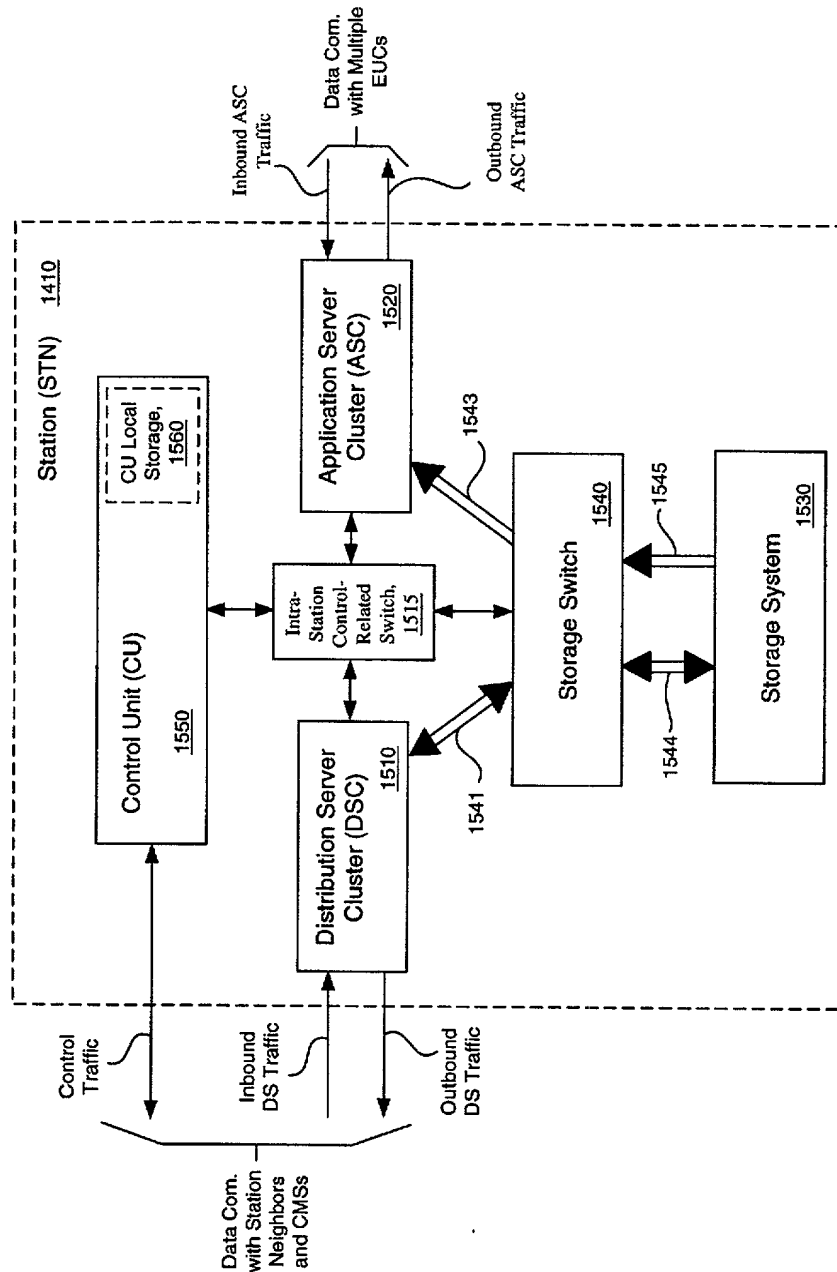
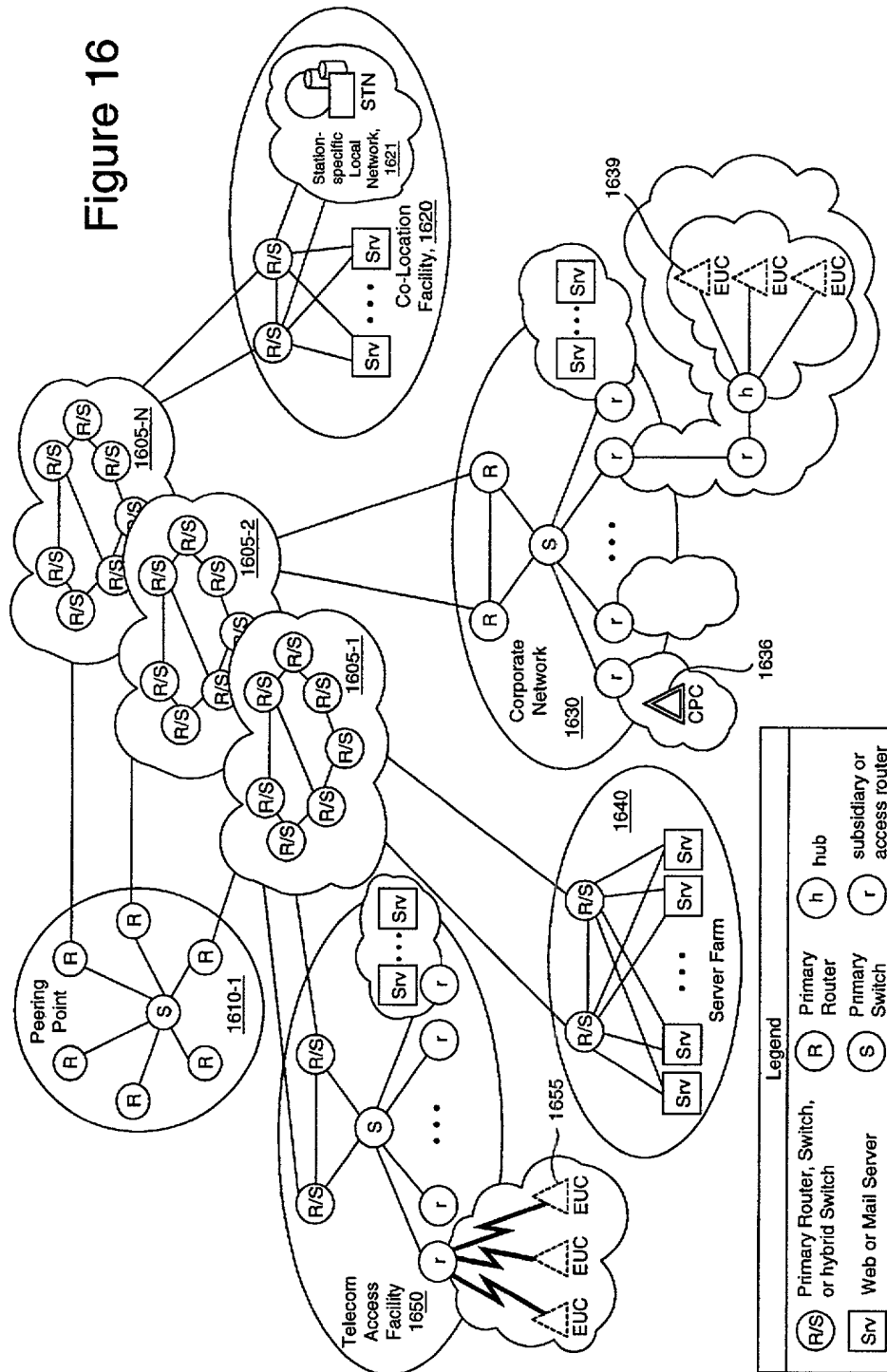


Figure 15



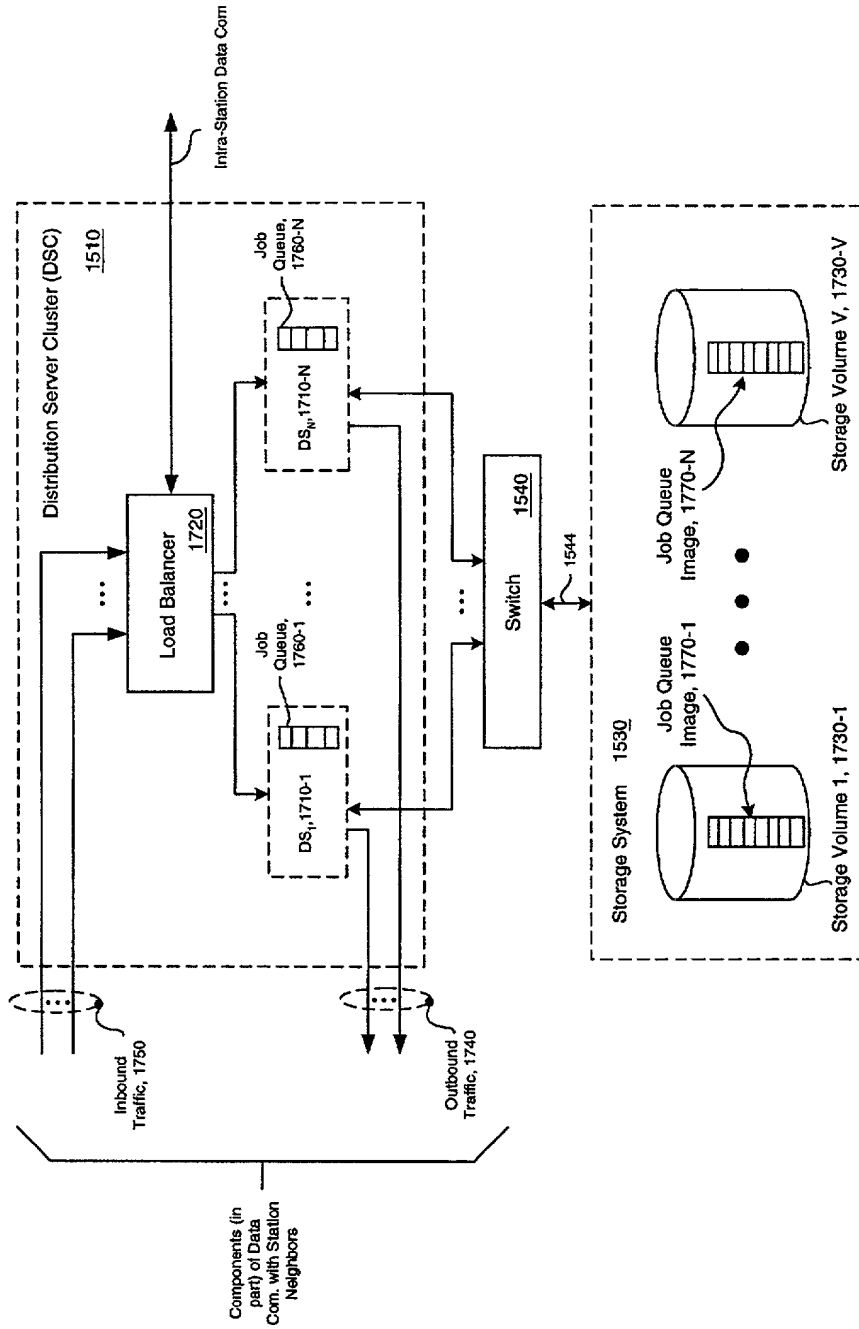


Figure 17

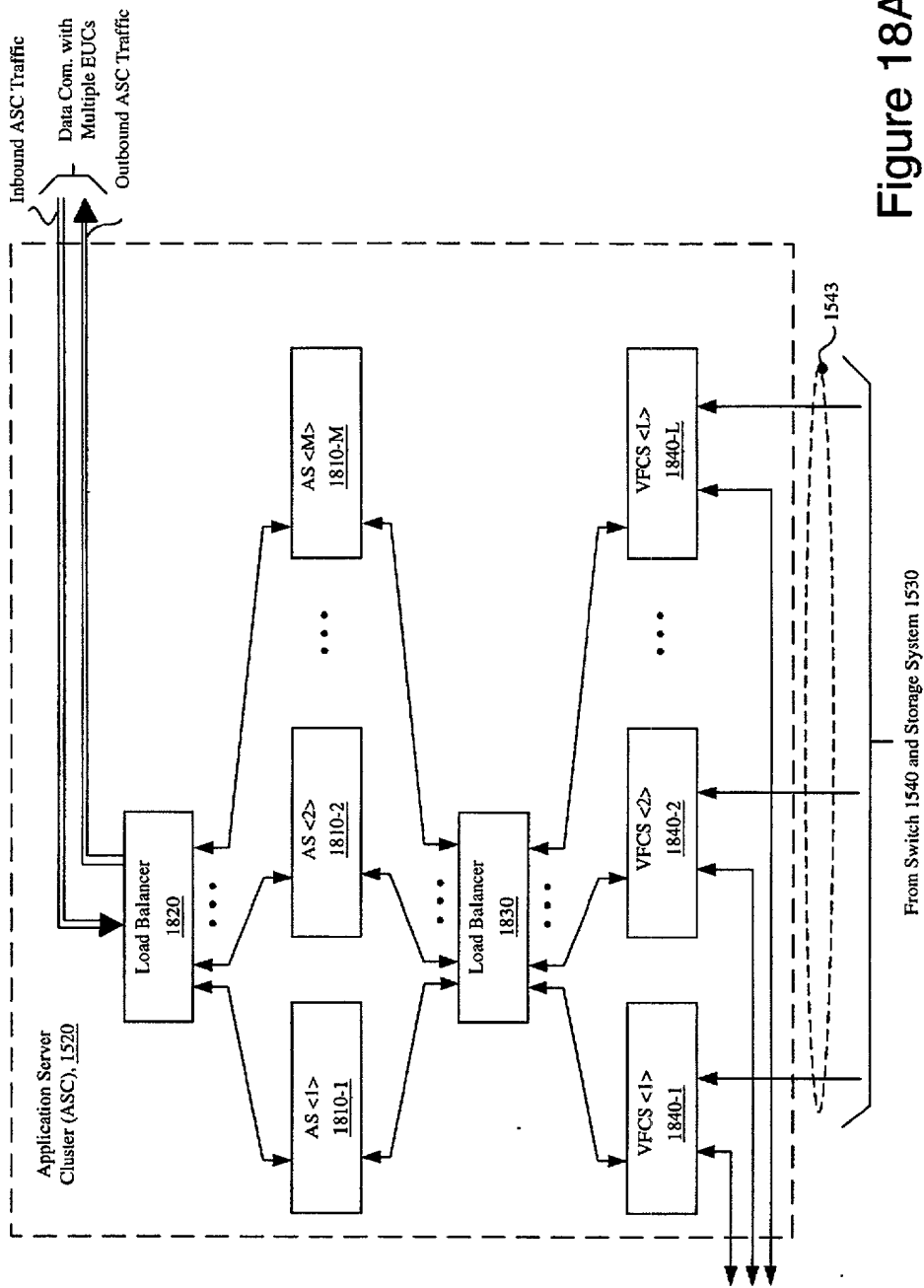


Figure 18A

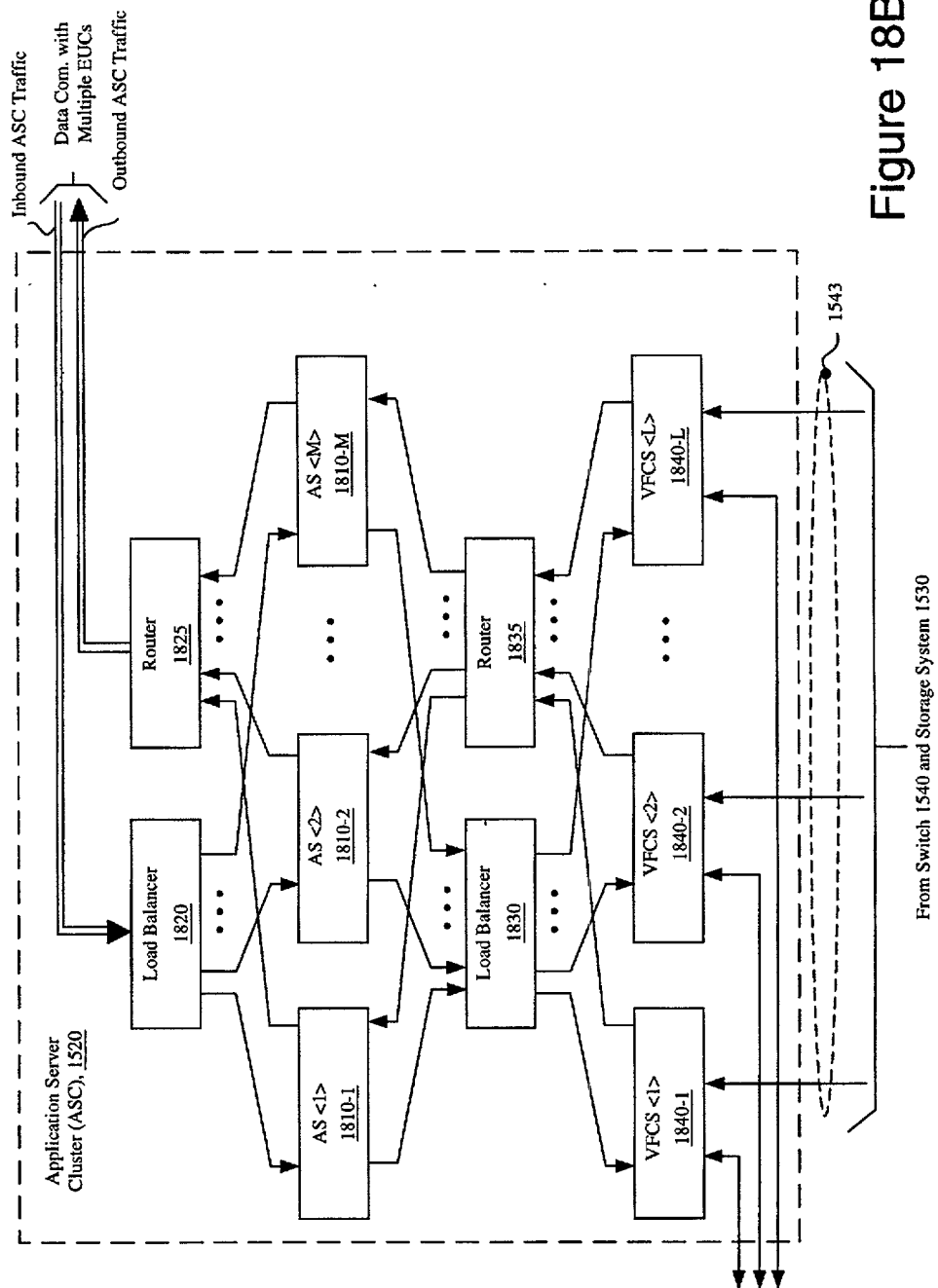


Figure 18B

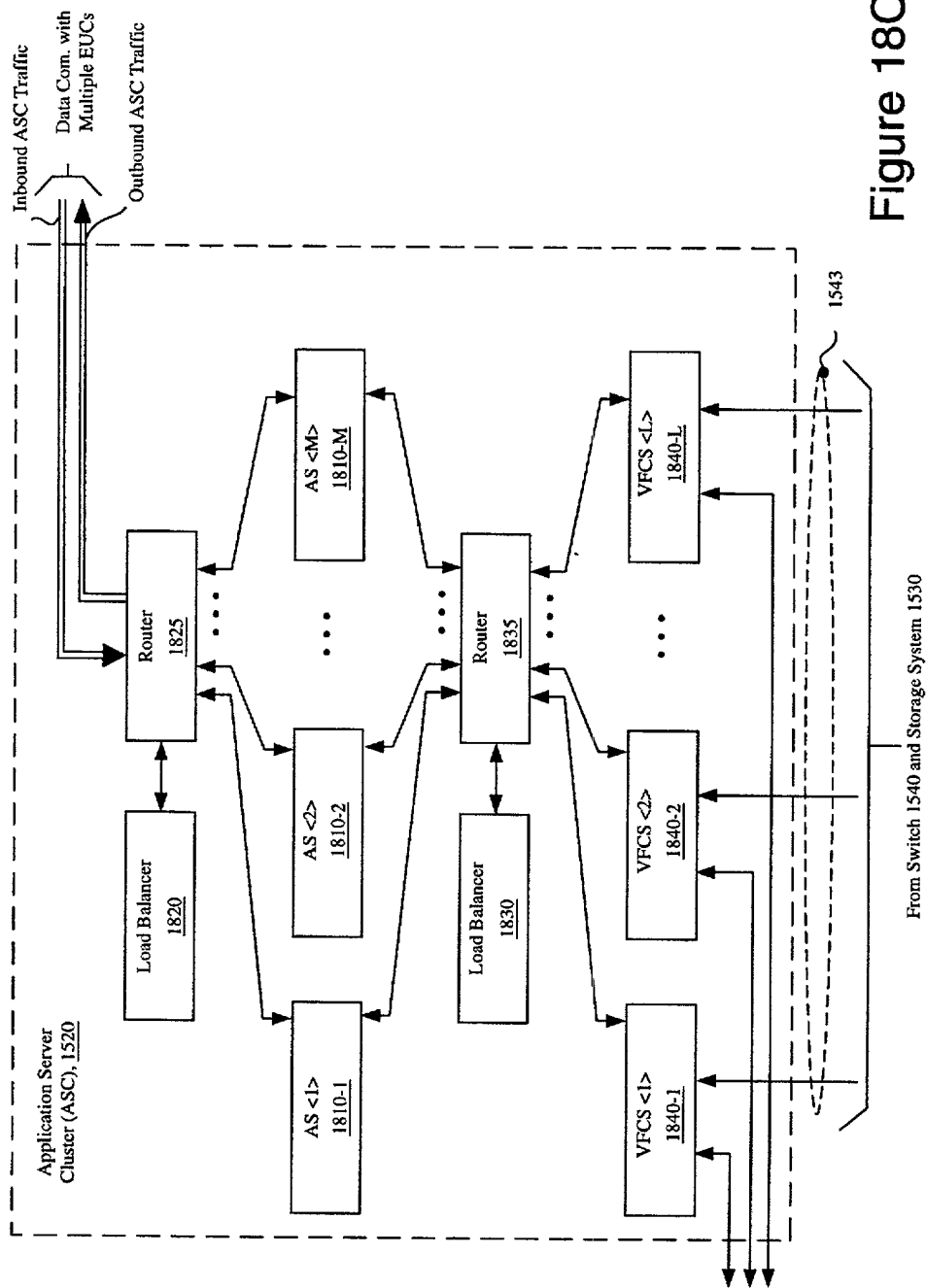


Figure 18C

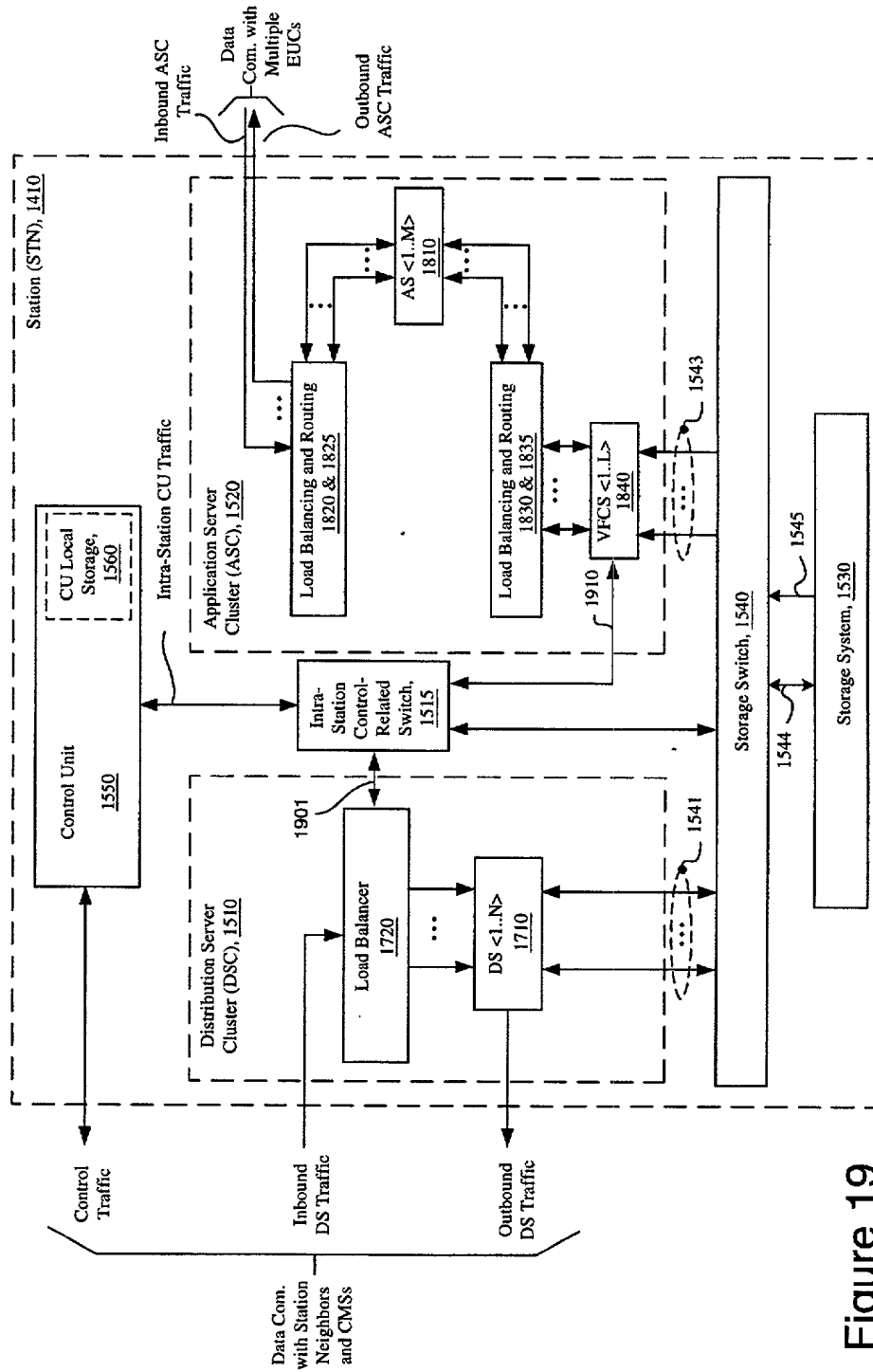


Figure 19



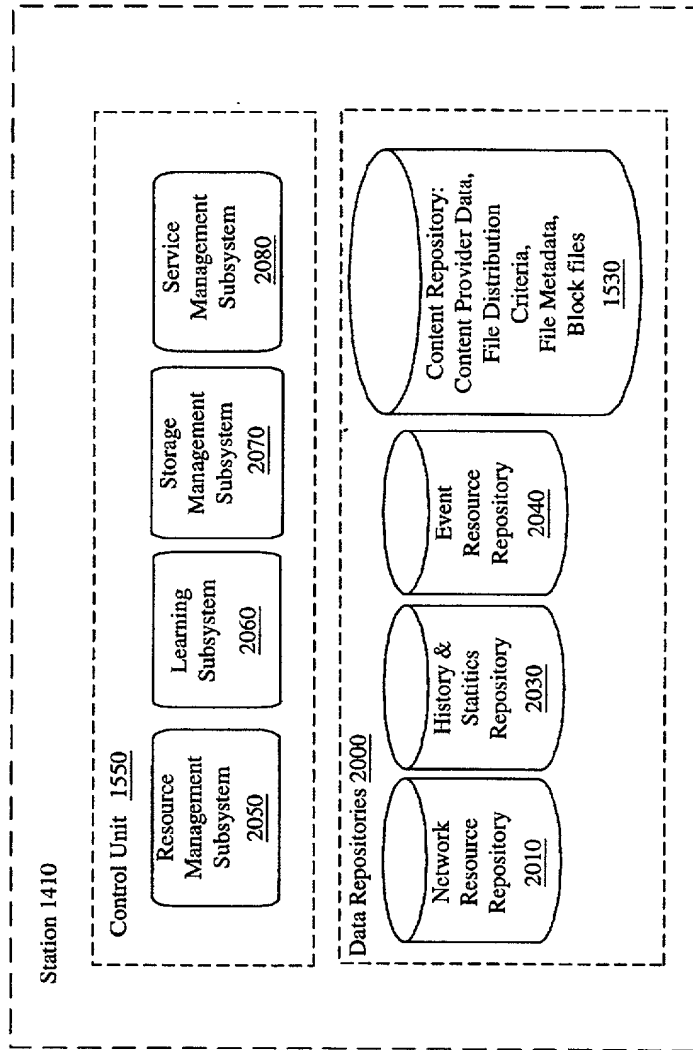


Figure 20

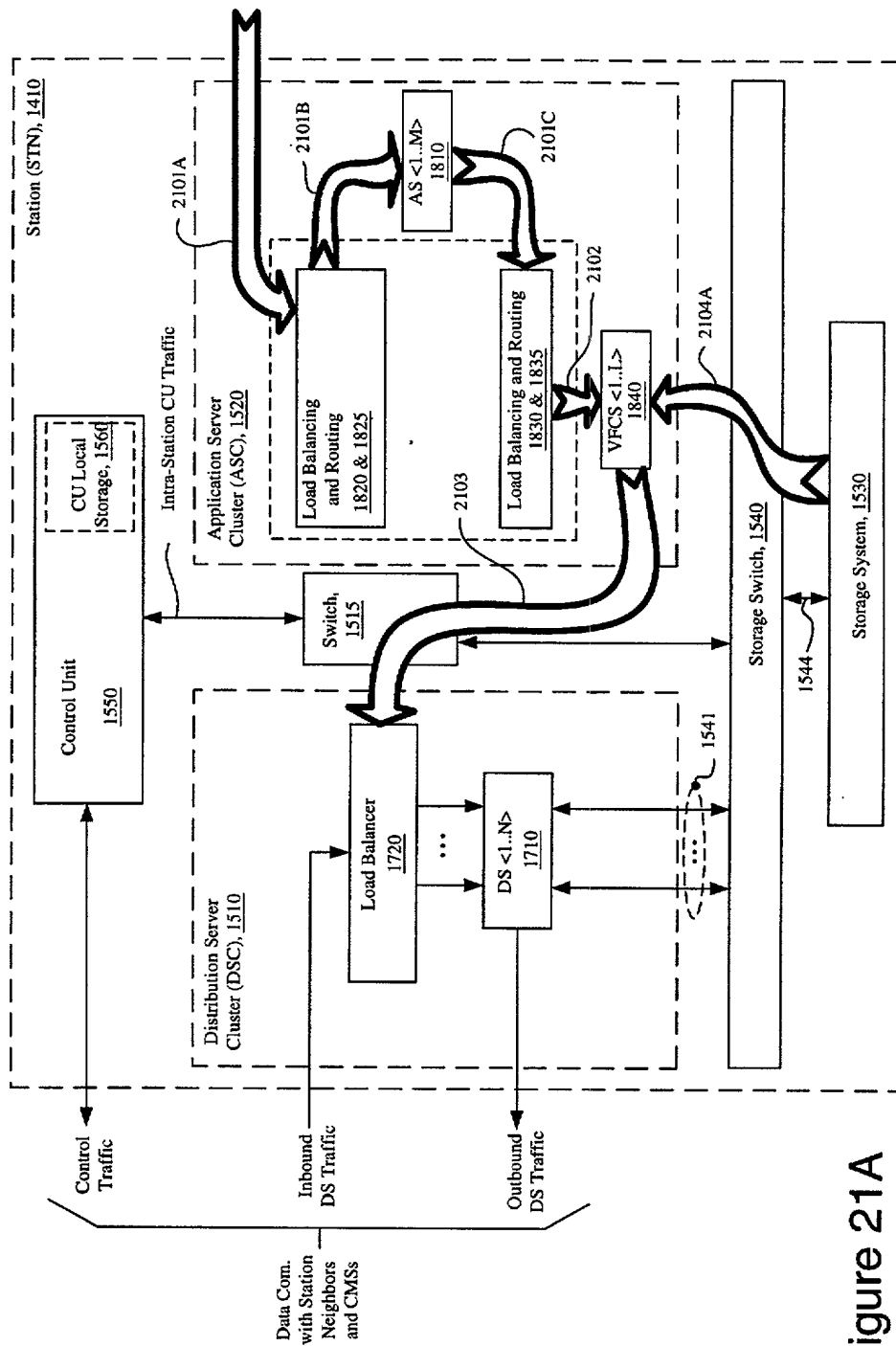
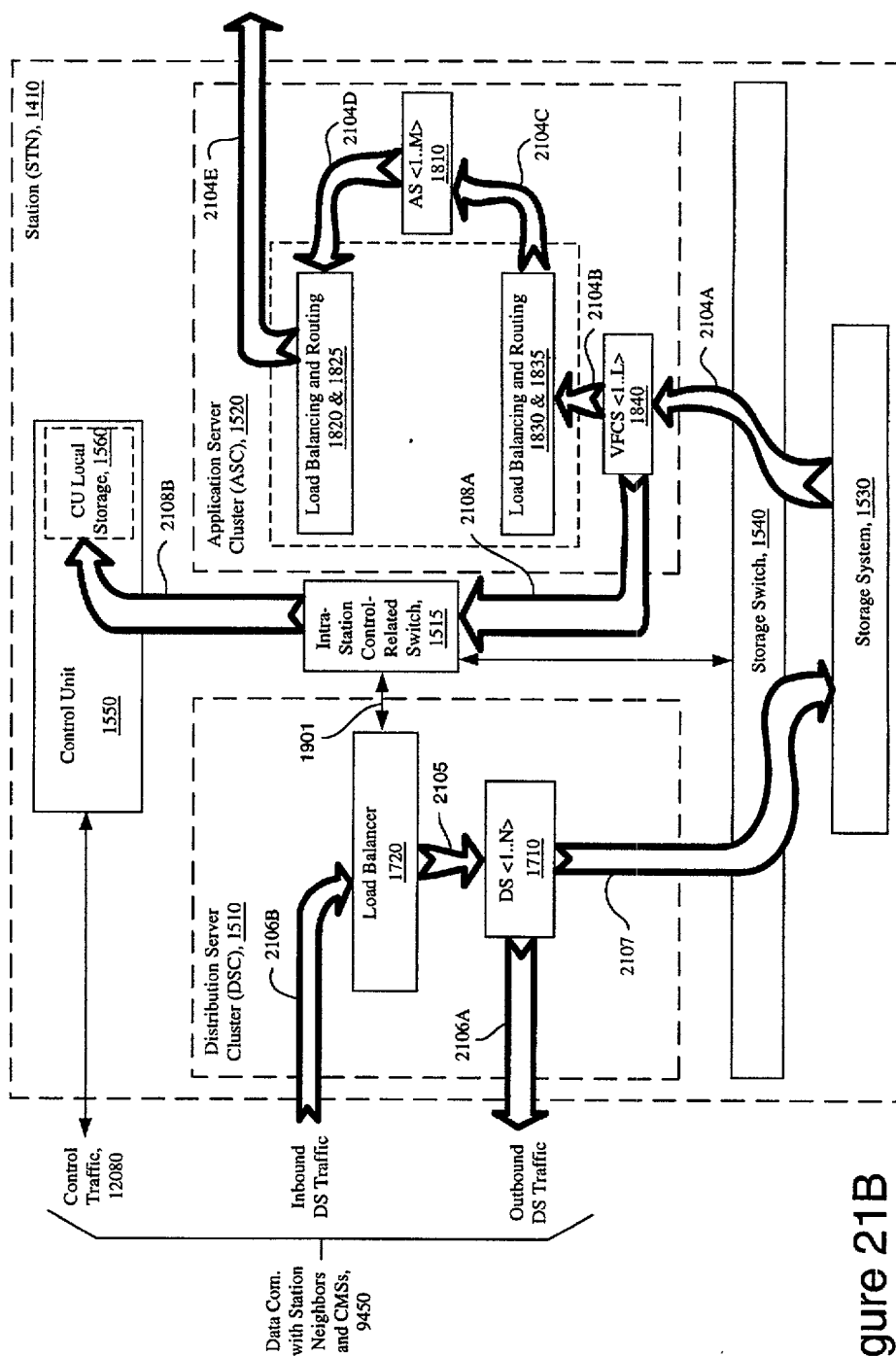


Figure 21A



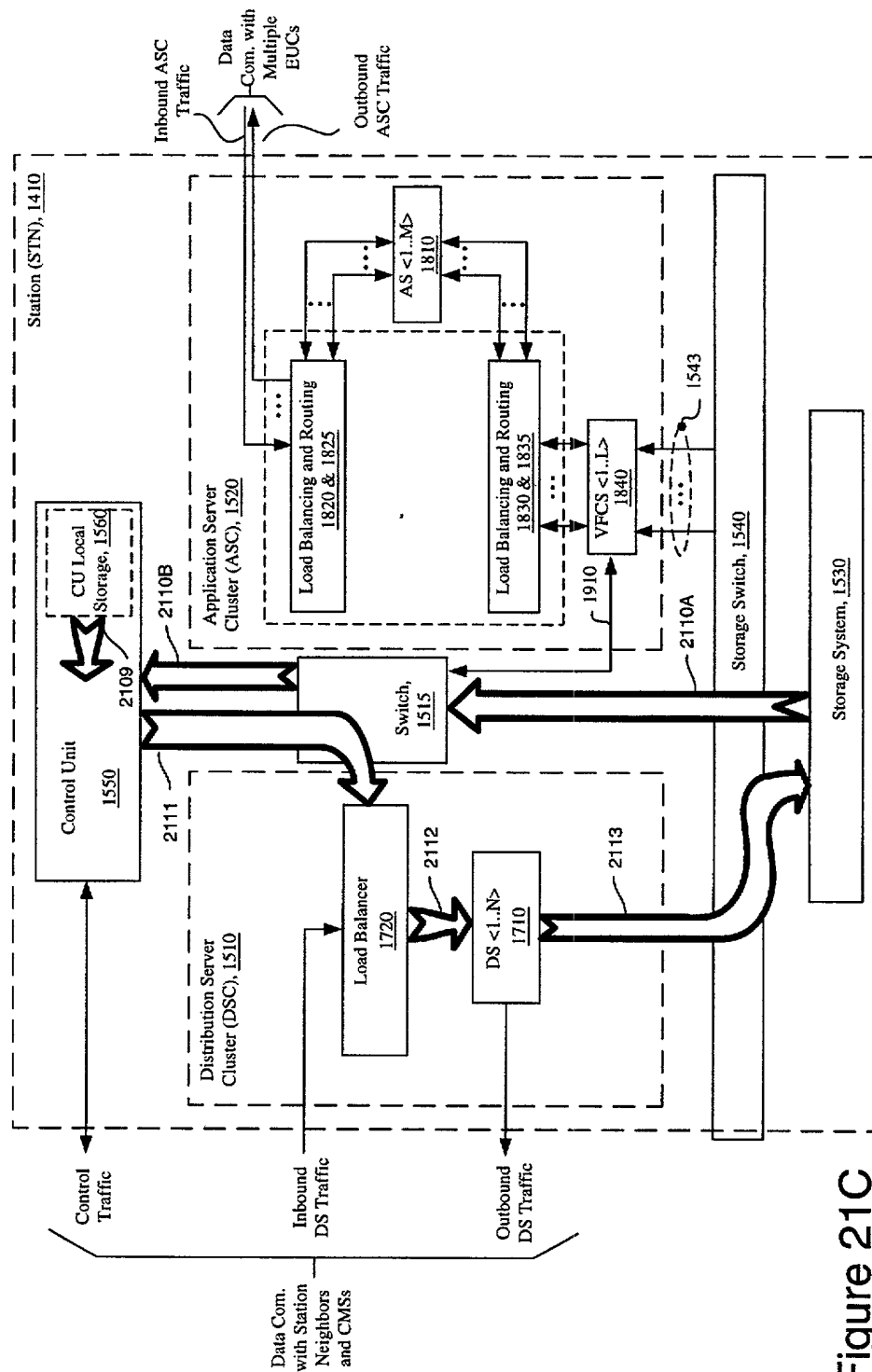


Figure 21C

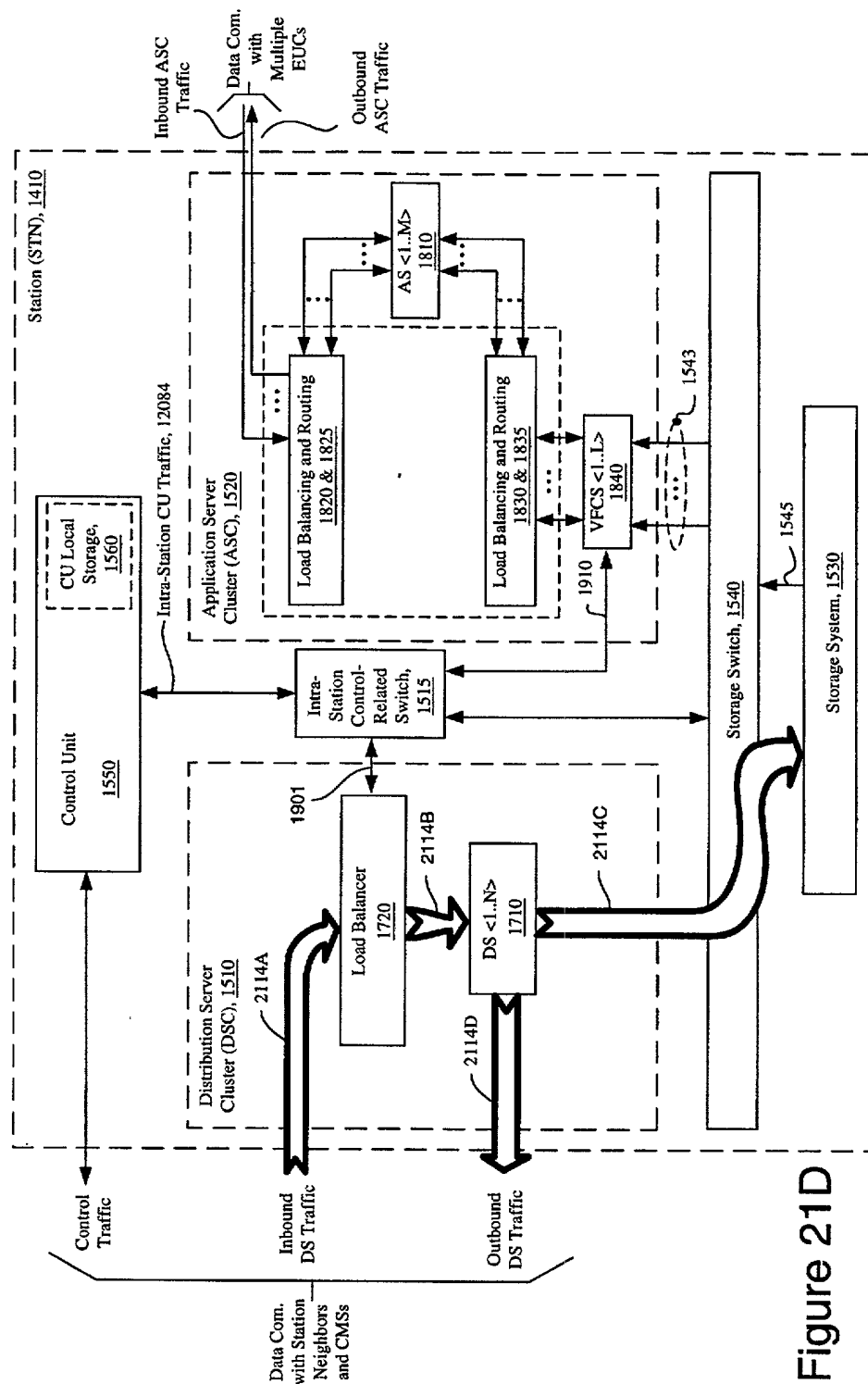


Figure 21D

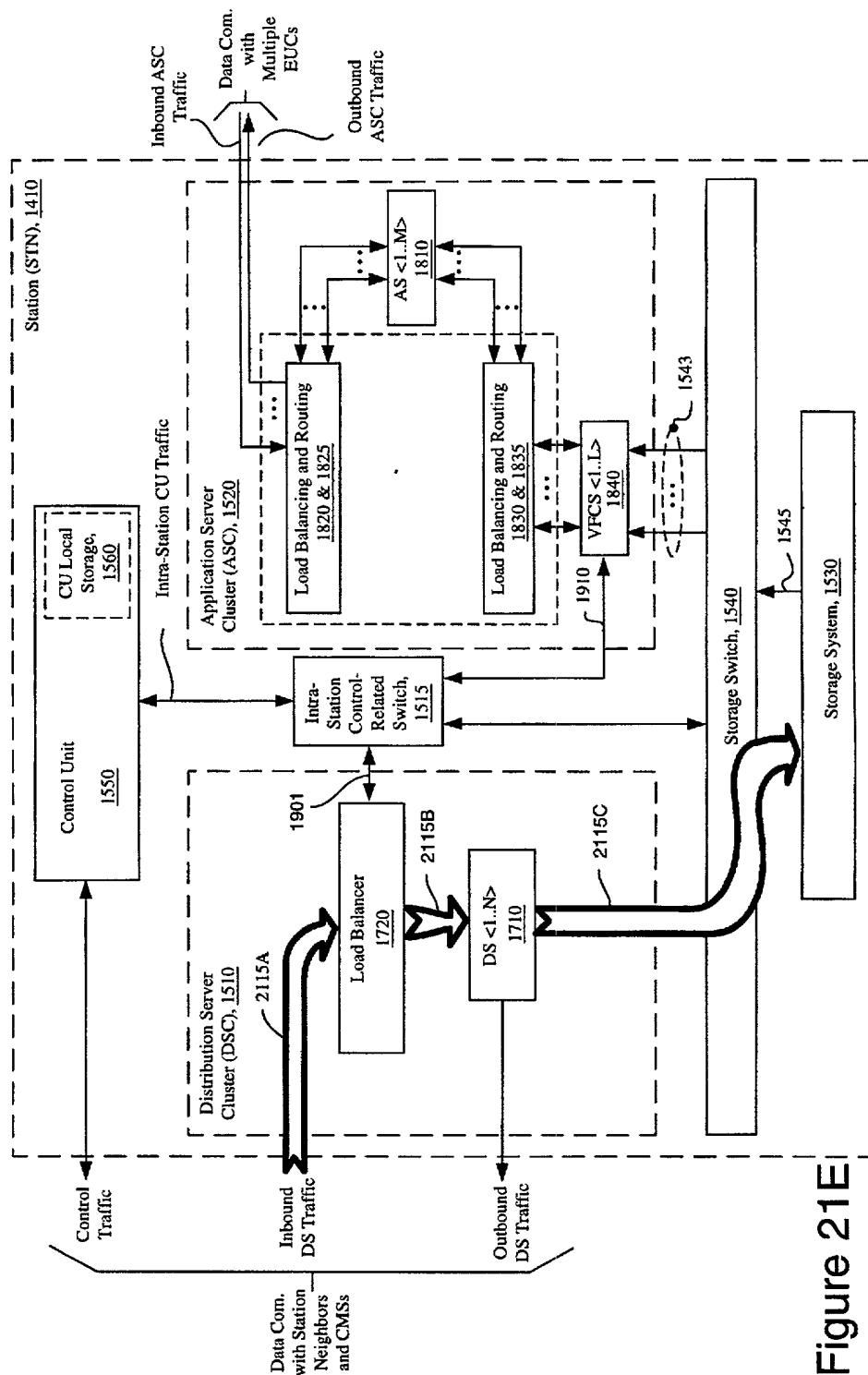


Figure 21E

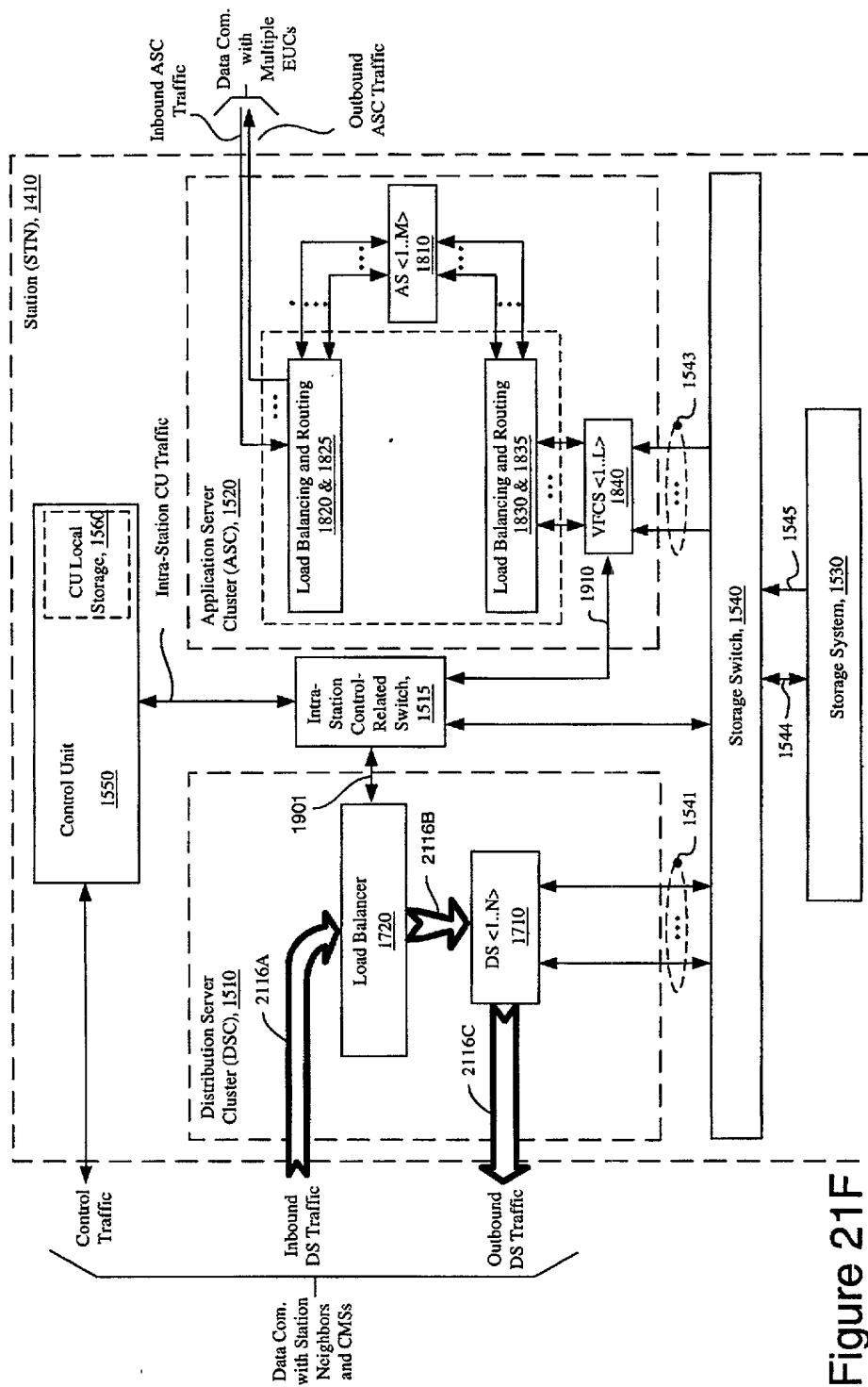


Figure 21F

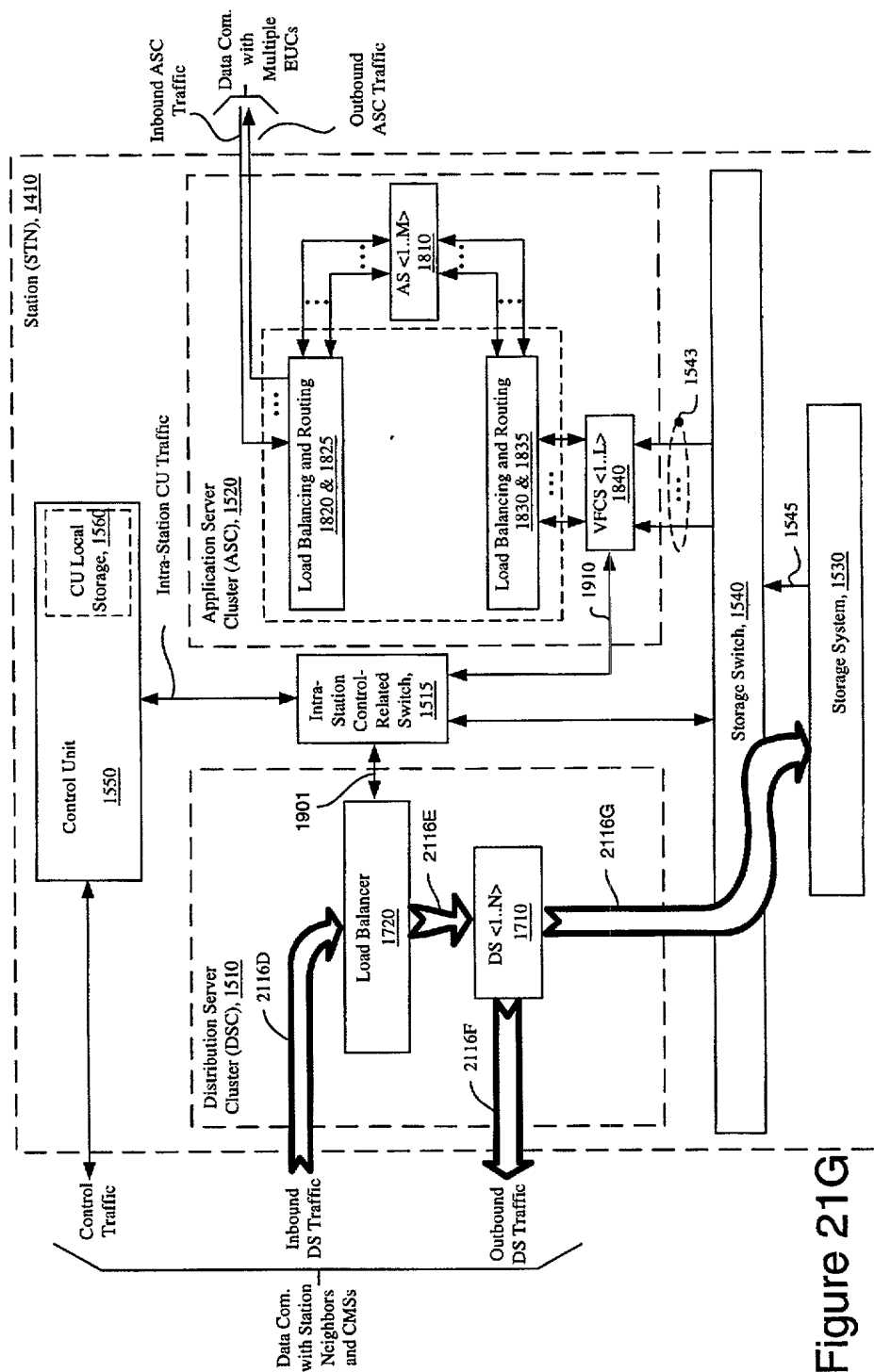


Figure 21G



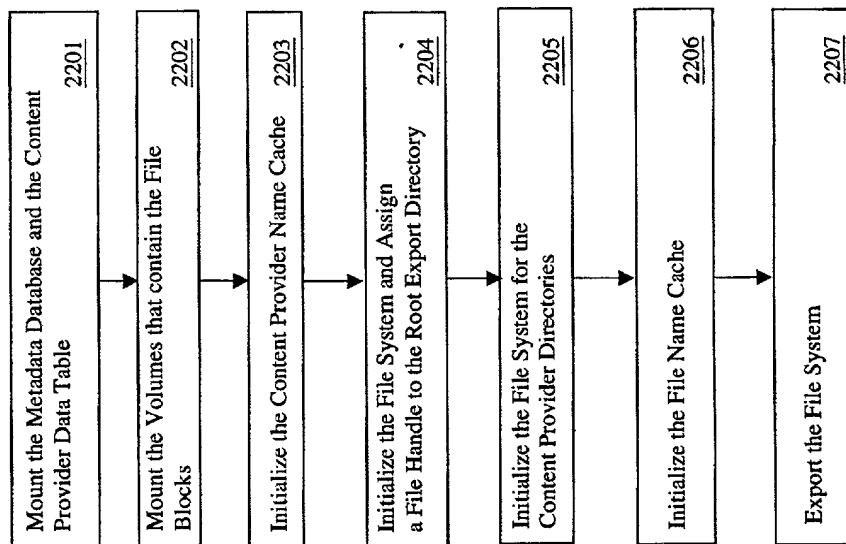


Figure 22

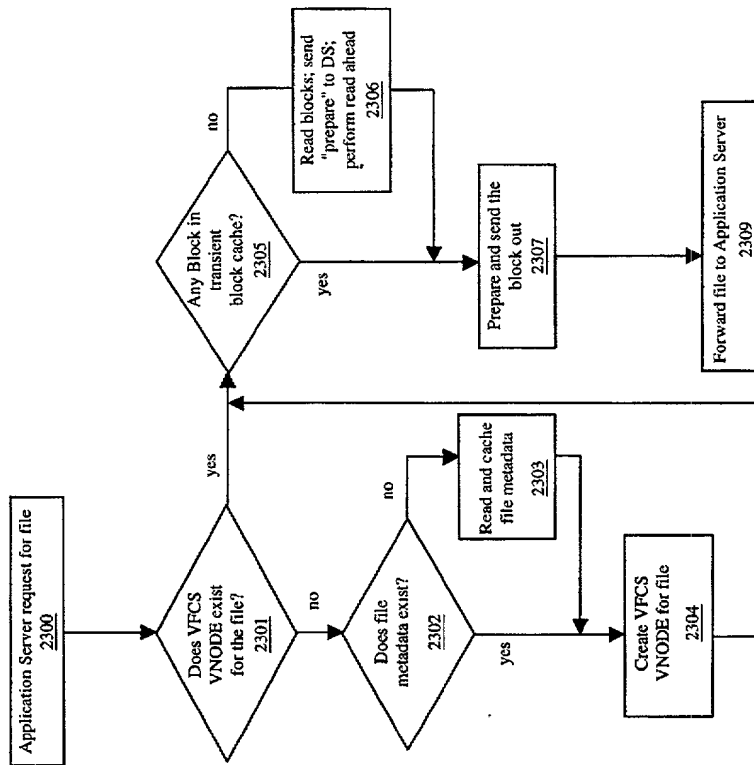


Figure 23

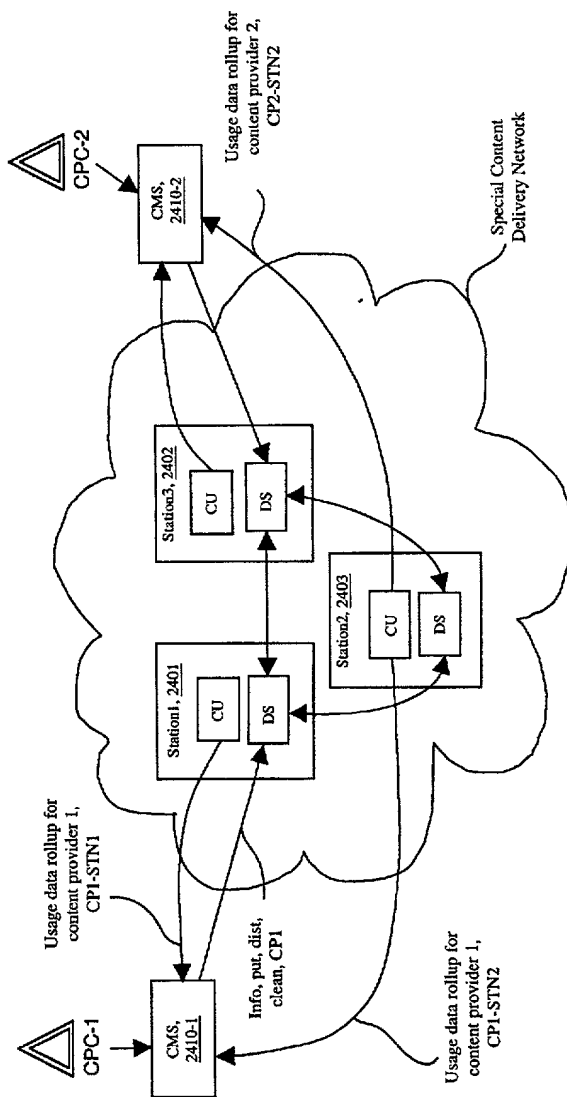


Figure 24

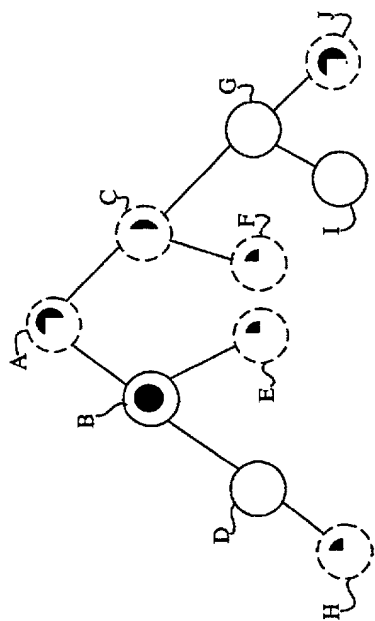


Figure 25